

Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTAZPB1745

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1	NOV 21	Web Page for STN Seminar Schedule - N. America
NEWS 2		CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26	MARPAT enhanced with FSORT command
NEWS 4	NOV 26	CHEMSAFE now available on STN Easy
NEWS 5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS 6	DEC 01	ChemPort single article sales feature unavailable
NEWS 7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS 9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10	COMPENDEX reloaded and enhanced
NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
NEWS 16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 24	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 25	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 26	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 27	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China

NEWS 28 MAR 30 IMSPATENTS reloaded and enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 11:45:40 ON 02 APR 2009

=> file reg
COST IN U.S. DOLLARS
SINCE FILE
ENTRY
TOTAL
SESSION
0.22
0.22
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 11:45:50 ON 02 APR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 MAR 2009 HIGHEST RN 1130556-28-3
DICTIONARY FILE UPDATES: 31 MAR 2009 HIGHEST RN 1130556-28-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stnqgen/stndoc/properties.html>

=> s trihydroxysilylpropyl sulfonic acid
1 TRIHYDROXYSILYLPROPYL
394954 SULFONIC
11593355 ACID
8370 ACIDS
11599385 ACID
(ACID OR ACIDS)
L1 0 TRIHYDROXYSILYLPROPYL SULFONIC ACID
(TRIHYDROXYSILYLPROPYL(W)SULFONIC(W)ACID)

=> s trihydroxy silyl propyl sulfonic acid
92184 TRIHYDROXY
735438 SILYL
4539068 PROPYL
4 PROPYLS
4539068 PROPYL
(PROPYL OR PROPYLS)
394954 SULFONIC
11593355 ACID
8370 ACIDS
11599385 ACID
(ACID OR ACIDS)
L2 0 TRIHYDROXY SILYL PROPYL SULFONIC ACID
(TRIHYDROXY(W) SILYL(W) PROPYL(W) SULFONIC(W) ACID)

=> s trihydroxy silyl propyl phosphonic acid
92184 TRIHYDROXY
735438 SILYL
4539068 PROPYL
4 PROPYLS
4539068 PROPYL
(PROPYL OR PROPYLS)
142602 PHOSPHONIC
11593355 ACID
8370 ACIDS
11599385 ACID
(ACID OR ACIDS)
L3 0 TRIHYDROXY SILYL PROPYL PHOSPHONIC ACID
(TRIHYDROXY(W) SILYL(W) PROPYL(W) PHOSPHONIC(W) ACID)

=> s trihydroxy silyl perfluoro octyl sulfonic acid
92184 TRIHYDROXY
735438 SILYL
7329 PERFLUORO
1 PERFLUOROS
7329 PERFLUORO
(PERFLUORO OR PERFLUOROS)
280402 OCTYL
394954 SULFONIC
11593355 ACID
8370 ACIDS
11599385 ACID
(ACID OR ACIDS)
L4 0 TRIHYDROXY SILYL PERFLUORO OCTYL SULFONIC ACID
(TRIHYDROXY(W) SILYL(W) PERFLUORO(W) OCTYL(W) SULFONIC(W) ACID)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	103.57	103.79

FILE 'CAPLUS' ENTERED AT 11:47:59 ON 02 APR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 2 Apr 2009 VOL 150 ISS 14
FILE LAST UPDATED: 1 Apr 2009 (20090401/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s us 20060166085/pn
L5 1 US 20060166085/PN
(US20060166085/PN)

=> d 1 all

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:198217 CAPLUS
DN 140:220730
ED Entered STN: 11 Mar 2004
TI Method of fabrication of ion-conductive battery separator for lithium batteries.
IN Hennige, Volker; Hying, Christian; Hoerpel, Gerhard
PA Creavis Gesellschaft fuer Technologie und Innovation m.b.H., Germany
SO Ger. Offen., 19 pp.
CODEN: GWXXBX
DT Patent
LA German
IC ICM H01M002-14
ICS H01M010-38
CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)
Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10240032	A1	20040311	DE 2002-10240032	20020827
	CA 2496841	A1	20040311	CA 2003-2496841	20030721
	WO 2004021477	A1	20040311	WO 2003-EP7933	20030721
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003250125	A1	20040319	AU 2003-250125	20030721
	EP 1532701	A1	20050525	EP 2003-790805	20030721
	EP 1532701	B1	20060104		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				

CN 1679185	A	20051005	CN 2003-820566	20030721
CN 100397681	C	20080625		
JP 2005536860	T	20051202	JP 2004-531810	20030721
AT 315277	T	20060215	AT 2003-790805	20030721
US 20060166085	A1	20060727	US 2004-519097	20041227 <--
IN 2004CN03105	A	20060217	IN 2004-CN3105	20041231
PRAI DE 2002-10240032	A	20020827		
WO 2003-EP7933	W	20030721		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES		
-----	-----	-----		
DE 10240032	ICM	H01M002-14		
	ICS	H01M010-38		
	IPCI	H01M0002-14 [ICM, 7]; H01M0010-38 [ICS, 7]; H01M0010-36 [ICS, 7, C*]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
CA 2496841	IPCI	H01M0002-16 [ICM, 7]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
WO 2004021477	IPCI	H01M0002-16 [ICM, 7]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
AU 2003250125	IPCI	H01M0002-16 [ICM, 7]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
EP 1532701	IPCI	H01M0002-16 [I, C]; H01M0002-16 [I, A]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
CN 1679185	IPCI	H01M0002-16 [I, C]; H01M0002-16 [I, A]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
	ECLA	H01M002/16B3; H01B001/12F; H01M002/16C1; H01M002/16D; H01M010/42M; T01M; T01M		
JP 2005536860	IPCI	H01M0002-16 [ICM, 7]; H01M0010-40 [ICS, 7]; H01M0010-36 [ICS, 7, C*]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
	FTERM	5H021/BB01; 5H021/BB12; 5H021/CC01; 5H021/CC03; 5H021/CC04; 5H021/EE21; 5H021/EE22; 5H021/HH03; 5H021/HH06; 5H029/AJ03; 5H029/AK03; 5H029/AL07; 5H029/AM03; 5H029/AM05; 5H029/AM07; 5H029/CJ02; 5H029/CJ22; 5H029/CJ23; 5H029/DJ04; 5H029/DJ15; 5H029/DJ16; 5H029/EJ03; 5H029/EJ05; 5H029/HJ04; 5H029/HJ14		
AT 315277	IPCI	H01M0002-16 [ICS, 7]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0002-14 [I, C*]; H01M0002-14 [I, A]; H01M0010-36 [I, C*]; H01M0010-38 [I, A]; H01M0010-40 [I, A]		
US 20060166085	IPCI	H01M0004-00 [I, A]; H01M0002-14 [I, A]; B05D0005-12 [I, A]; B05D0003-12 [I, A]; B05D0001-02 [I, A]; B05D0001-18 [I, A]		
	IPCR	H01M0002-16 [I, C*]; H01M0002-16 [I, A]; H01M0004-00 [I, A]; B05D0001-02 [I, C]; B05D0001-02 [I, A]; B05D0001-18 [I, C]; B05D0001-18 [I, A]; B05D0003-12		

[I,C]; B05D0003-12 [I,A]; B05D0005-12 [I,C];
B05D0005-12 [I,A]; H01M0002-14 [I,C]; H01M0002-14
[I,A]; H01M0004-00 [I,C]; H01M0010-36 [I,C*];
H01M0010-38 [I,A]; H01M0010-40 [I,A]
NCL 429/128.000; 427/115.000; 427/355.000; 427/421.100;
427/430.100; 429/129.000

IN 2004CN03105 IPCI H01M0002-16 [ICM,7]

AB The invention concerns separators for lithium batteries as well as a procedure for their production and use. The separator is based on a laminar, flexible substrate with a plurality of openings. The substrate has a porous, inorg., elec. insulating coating, which closes the openings in the substrate. The material of the substrate is selected from woven or nonwoven, elec. nonconductive polymer fibers and the inorg. elec. conductive coating contains metallic oxide particle. The separator has Li-ion conducting characteristics without the presence electrolytes. After loading with addnl. Li-ion conductive electrolytes, a clearly higher ionic conduction is observed than in the case of conventional combinations of lithium ion conductive separators and electrolyte. The separators according to invention are especially suitable for application in lithium heavy-duty batteries.

ST lithium battery separator fabrication

IT Phosphate glasses
RL: DEV (Device component use); USES (Uses)
(lithium phosphate zirconate; method of fabrication of ion-conductive battery separator for lithium batteries.)

IT Secondary batteries
(lithium; method of fabrication of ion-conductive battery separator for lithium batteries.)

IT Coating materials
Electric insulators
Secondary battery separators
(method of fabrication of ion-conductive battery separator for lithium batteries.)

IT Polyesters, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(method of fabrication of ion-conductive battery separator for lithium batteries.)

IT Sulfonic acids, uses
RL: DEV (Device component use); USES (Uses)
(salts, lithium salt; method of fabrication of ion-conductive battery separator for lithium batteries.)

IT Synthetic polymeric fibers, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(substrate; method of fabrication of ion-conductive battery separator for lithium batteries.)

IT 78-10-4, Tetraethoxysilane 2031-67-6, Methyltriethoxysilane 2530-83-8,
Dynasylan GLYMO 2768-02-7, Dynasylan Silfin
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PROC (Process)
(method of fabrication of ion-conductive battery separator for lithium batteries.)

IT 96-48-0, γ -Butyrolactone 96-49-1, Ethylene carbonate 105-58-8,
Diethyl carbonate 108-32-7, Propylene carbonate 463-79-6D, Carbonic acid, Li salt 616-38-6, Dimethyl carbonate 4437-85-8, Butylene carbonate 7446-09-5, Sulfur dioxide, uses 7719-09-7, Thionyl chloride 7791-03-9, Lithium perchlorate 13598-36-2D, Phosphonic acid, Li salt 14283-07-9, Lithium tetrafluoroborate 21324-40-3, Lithium hexafluorophosphate 29935-35-1, Lithium hexafluoroarsenate 33454-82-9, Lithium triflate 56525-42-9, Methyl propyl carbonate, uses 90076-65-6 244761-29-3, Lithium bisoxalatoborate 663935-17-9 663935-18-0
RL: DEV (Device component use); USES (Uses)
(method of fabrication of ion-conductive battery separator for lithium

IT 13765-95-2, Zirconium phosphate
RL: MOA (Modifier or additive use); USES (Uses)
(method of fabrication of ion-conductive battery separator for lithium batteries.)

IT 25038-59-9, Polyethylene terephthalate, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(method of fabrication of ion-conductive battery separator for lithium batteries.)

IT 1314-23-4, Zirconia, uses 1344-28-1, Alumina, uses 7631-86-9, Silica,
uses
RL: TEM (Technical or engineered material use); USES (Uses)
(particles, coating; method of fabrication of ion-conductive battery separator for lithium batteries.)

=>
Connecting via Winsock to STN

Welcome to STN International! Enter x:X

LOGINID:SSPTAZPB1745

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

Welcome to STN International			
NEWS 1			Web Page for STN Seminar Schedule - N. America
NEWS 2	NOV 21		CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26		MARPAT enhanced with FSORT command
NEWS 4	NOV 26		CHEMSAFE now available on STN Easy
NEWS 5	NOV 26		Two new SET commands increase convenience of STN searching
NEWS 6	DEC 01		ChemPort single article sales feature unavailable
NEWS 7	DEC 12		GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8	DEC 17		Fifty-one pharmaceutical ingredients added to PS
NEWS 9	JAN 06		The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10	JAN 07		WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02		Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02		GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06		Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10		COMPENDEX reloaded and enhanced
NEWS 15	FEB 11		WTTEXTILES reloaded and enhanced
NEWS 16	FEB 19		New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19		Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23		Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23		MEDLINE now offers more precise author group fields

NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 24	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 25	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 26	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 27	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China
NEWS 28	MAR 30	IMSPATENTS reloaded and enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 12:31:42 ON 02 APR 2009

FILE 'REGISTRY' ENTERED AT 12:31:53 ON 02 APR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 31 MAR 2009 HIGHEST RN 1130556-28-3
DICTIONARY FILE UPDATES: 31 MAR 2009 HIGHEST RN 1130556-28-3

New CAS Information Use Policies, enter **HELP USAGETERMS** for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s bis(perfluoro methyl sulfonyl)amide
MISSING OPERATOR 'BIS(PERFLUORO'

=> s bis perfluoro methyl sulfonyl amide
3871329 BIS
2 BISES
3871329 BIS
(BIS OR BISES)
7329 PERFLUORO
1 PERFLUOROS
7329 PERFLUORO
(PERFLUORO OR PERFLUOROS)
27646309 METHYL
98 METHYLS
27646309 METHYL
(METHYL OR METHYLS)
2819234 SULFONYL
1 SULFONYLS
2819234 SULFONYL
(SULFONYL OR SULFONYLS)
9430561 AMIDE
1112 AMIDES
9430561 AMIDE
(AMIDE OR AMIDES)
L1 0 BIS PERFLUORO METHYL SULFONYL AMIDE
(BIS(W)PERFLUORO(W)METHYL(W)SULFONYL(W)AMIDE)

=> s bisperfluoro methyl sulfonyl amide
4 BISPERFLUORO
27646309 METHYL
98 METHYLS
27646309 METHYL
(METHYL OR METHYLS)
2819234 SULFONYL
1 SULFONYLS
2819234 SULFONYL
(SULFONYL OR SULFONYLS)
9430561 AMIDE
1112 AMIDES
9430561 AMIDE
(AMIDE OR AMIDES)
L2 0 BISPERFLUORO METHYL SULFONYL AMIDE
(BISPERFLUORO(W)METHYL(W)SULFONYL(W)AMIDE)

=> s bisperfluoromethyl sulfonyl amide
2819234 SULFONYL
1 SULFONYLS
2819234 SULFONYL
(SULFONYL OR SULFONYLS)
9430561 AMIDE
1112 AMIDES
9430561 AMIDE
(AMIDE OR AMIDES)
L3 0 BISPERFLUOROMETHYL SULFONYL AMIDE
(BISPERFLUOROMETHYL(W)SULFONYL(W)AMIDE)

=> s bisperfluoromethyl sulfonyl
2819234 SULFONYL
1 SULFONYLS
2819234 SULFONYL
(SULFONYL OR SULFONYLS)
L4 0 BISPERFLUOROMETHYL SULFONYL
(BISPERFLUOROMETHYL (W) SULFONYL)

=> s li2zr
L5 9 LI2ZR

=> s 15 and phosphate
289653 PHOSPHATE
388 PHOSPHATES
289653 PHOSPHATE
(PHOSPHATE OR PHOSPHATES)
L6 4 L5 AND PHOSPHATE

=> s 15 and sulfonate
166564 SULFONATE
242 SULFONATES
166564 SULFONATE
(SULFONATE OR SULFONATES)
L7 0 L5 AND SULFONATE

=> s lithium and sulfonate
118858 LITHIUM
166564 SULFONATE
242 SULFONATES
166564 SULFONATE
(SULFONATE OR SULFONATES)
L8 324 LITHIUM AND SULFONATE

=> s lithium zirconium sulfonate
118858 LITHIUM
114345 ZIRCONIUM
166564 SULFONATE
242 SULFONATES
166564 SULFONATE
(SULFONATE OR SULFONATES)
L9 0 LITHIUM ZIRCONIUM SULFONATE
(LITHIUM(W) ZIRCONIUM(W) SULFONATE)

=> s lithium zirconium phosphate
118858 LITHIUM
114345 ZIRCONIUM
289653 PHOSPHATE
388 PHOSPHATES
289653 PHOSPHATE
(PHOSPHATE OR PHOSPHATES)
L10 102 LITHIUM ZIRCONIUM PHOSPHATE
(LITHIUM(W) ZIRCONIUM(W) PHOSPHATE)

=>
Connecting via Winsock to STN

LOGINID:SSPTAZPB1745

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS 3	NOV 26	MARPAT enhanced with FSORT command
NEWS 4	NOV 26	CHEMSAFE now available on STN Easy
NEWS 5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS 6	DEC 01	ChemPort single article sales feature unavailable
NEWS 7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS 8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS 9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 14	FEB 10	COMPENDEX reloaded and enhanced
NEWS 15	FEB 11	WTEXTILES reloaded and enhanced
NEWS 16	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 24	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 25	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 26	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 27	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China
NEWS 28	MAR 30	TMSPATENTS reloaded and enhanced

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN customer agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 15:52:23 ON 02 APR 2009

FILE 'REGISTRY' ENTERED AT 15:52:34 ON 02 APR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 APR 2009 HIGHEST RN 1131012-40-2
DICTIONARY FILE UPDATES: 1 APR 2009 HIGHEST RN 1131012-40-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s lithium zirconium phosponate sulfonate
118881 LITHIUM
114351 ZIRCONIUM
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
L1 0 LITHIUM ZIRCONIUM PHOSPHONATE SULFONATE
(LITHIUM (W) ZIRCONIUM (W) PHOSPHONATE (W) SULFONATE)

```
=> s lithium zirconium phosphate sulfonate
      118881 LITHIUM
      114351 ZIRCONIUM
              2 PHOSPHATE
      166593 SULFONATE
              242 SULFONATES
      166593 SULFONATE
```

(SULFONATE OR SULFONATES)
L2 0 LITHIUM ZIRCONIUM PHOSPHATE SULFONATE
(LITHIUM(W) ZIRCONIUM(W) PHOSPHATE(W) SULFONATE)

=> s lithium zirconium phosphate sulfonate
118881 LITHIUM
114351 ZIRCONIUM
289667 PHOSPHATE
388 PHOSPHATES
289667 PHOSPHATE
(PHOSPHATE OR PHOSPHATES)
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
L3 0 LITHIUM ZIRCONIUM PHOSPHATE SULFONATE
(LITHIUM(W) ZIRCONIUM(W) PHOSPHATE(W) SULFONATE)

=> s lithium zirconium phosphonate sulfonate
118881 LITHIUM
114351 ZIRCONIUM
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
L4 0 LITHIUM ZIRCONIUM PHOSPHONATE SULFONATE
(LITHIUM(W) ZIRCONIUM(W) PHOSPHONATE(W) SULFONATE)

=> s lithium and zirconium and phosphonate and sulfonate
118881 LITHIUM
114351 ZIRCONIUM
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
L5 0 LITHIUM AND ZIRCONIUM AND PHOSPHONATE AND SULFONATE

=> s lithium zirconium phophate
118881 LITHIUM
114351 ZIRCONIUM
0 PHOPHATE
L6 0 LITHIUM ZIRCONIUM PHOPHATE
(LITHIUM(W) ZIRCONIUM(W) PHOPHATE)

=> s lithium zirconium phosphate
118881 LITHIUM
114351 ZIRCONIUM
289667 PHOSPHATE
388 PHOSPHATES
289667 PHOSPHATE
(PHOSPHATE OR PHOSPHATES)
L7 102 LITHIUM ZIRCONIUM PHOSPHATE
(LITHIUM(W) ZIRCONIUM(W) PHOSPHATE)

=> d 1

L7 ANSWER 1 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
RN 1101112-33-7 REGISTRY
ED Entered STN: 05 Feb 2009
CN Iron lithium zirconium phosphate (Fe0.9LiZr0.05(PO4)) (CA INDEX NAME)
MF Fe . Li . O4 P . Zr
AF Fe0.9 Li O4 P Zr0.05
CI TIS
SR CA
LC STN Files: CA, CAPLUS

Component	Ratio	Component Registry Number
O4P	1	14265-44-2
Zr	0.05	7440-67-7
Li	1	7439-93-2
Fe	0.9	7439-89-6

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 11 1-20 /cn

'' MUST END IN '/Q', '/A', '/L', '/S' OR '/B'

The saved name for a query (or structure or screen set) must end with '/Q'. The saved name for an answer set must end with '/A'. The saved name for an L# list must end with '/L'. SDI request names must end with '/S'. To see a list of all saved query, answer set,, and L# list names for this loginid, enter "DISPLAY SAVED" at an arrow prompt (=>). Enter "DISPLAY SAVED/S" to see a list of SDI request names. Enter "DISPLAY SAVED/B" to see a list of BATCH search requests.

=> d 11 1-20 cn

L1 HAS NO ANSWERS

L1 0 SEA FILE=REGISTRY ABB=ON PLU=ON LITHIUM ZIRCONIUM PHOSPHONATE SULFONATE

=> d 17 1-20 cn

L7 ANSWER 1 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (Fe0.9LiZr0.05(PO4)) (CA INDEX NAME)

L7 ANSWER 2 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Cobalt iron lithium zirconium phosphate (Co0.1Fe0.8LiZr0.05(PO4)) (CA INDEX NAME)

L7 ANSWER 3 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (Fe0.99Li1.02Zr0.01(PO4)) (CA INDEX NAME)

L7 ANSWER 4 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (Fe0.7-1Li0-1.2Zr0-0.3(PO4)) (CA INDEX NAME)

L7 ANSWER 5 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lithium zirconium phosphate (Li0.9-1.1Zr(PO4)) (CA INDEX NAME)

L7 ANSWER 6 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (Fe0.99Li0.9Zr0.03(PO4)) (CA
INDEX NAME)

L7 ANSWER 7 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (FeLi0.98Zr0.01(PO4)) (CA
INDEX NAME)

L7 ANSWER 8 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (Fe0.99Li0.97Zr0.01(PO4)) (CA
INDEX NAME)

L7 ANSWER 9 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (Fe0.99Li0.99Zr0.01(PO4)) (CA
INDEX NAME)

L7 ANSWER 10 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (FeLi0.96Zr0.04(PO4)) (CA
INDEX NAME)

L7 ANSWER 11 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Iron lithium zirconium phosphate (Fe0.7-1LiZr0-0.3(PO4)) (CA
INDEX NAME)

L7 ANSWER 12 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lithium zirconium phosphate silicate
(Li2.8Zr1.55-2(PO4)1.2-3(SiO4)0-1.8) (CA INDEX NAME)

L7 ANSWER 13 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lithium zirconium phosphate (Li2.8Zr1.55(PO4)3) (CA INDEX NAME)

L7 ANSWER 14 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lithium zirconium phosphate silicate
(Li2.8Zr1.66(PO4)2.55(SiO4)0.45) (CA INDEX NAME)

L7 ANSWER 15 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lithium zirconium phosphate silicate
(Li2.8Zr1.78(PO4)2.1(SiO4)0.9) (CA INDEX NAME)

L7 ANSWER 16 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lithium zirconium phosphate silicate
(Li2.8Zr1.89(PO4)1.65(SiO4)1.35) (CA INDEX NAME)

L7 ANSWER 17 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lithium zirconium phosphate silicate (Li2.8Zr2(PO4)1.2(SiO4)1.8)
(CA INDEX NAME)

L7 ANSWER 18 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lanthanum lithium zirconium phosphate (La0.3Li0.1Zr2(PO4)3) (CA
INDEX NAME)

L7 ANSWER 19 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lanthanum lithium zirconium phosphate (La0.27Li0.2Zr2(PO4)3)
(CA INDEX NAME)

L7 ANSWER 20 OF 102 REGISTRY COPYRIGHT 2009 ACS on STN
CN Lanthanum lithium zirconium phosphate (La0.23Li0.3Zr2(PO4)3)
(CA INDEX NAME)

=> s o3p

L8 1465 O3P

=> s o3p/lc

L9 0 O3P/LC

=> s li and zr and o3p and so3

118129 LI

25345 LIS

143470 LI

(LI OR LIS)

123114 ZR

2 ZRS

123116 ZR

(ZR OR ZRS)

1465 O3P

603 SO3

L10 0 LI AND ZR AND O3P AND SO3

=> s li and zr and o3p

118129 LI

25345 LIS

143470 LI

(LI OR LIS)

123114 ZR

2 ZRS

123116 ZR

(ZR OR ZRS)

1465 O3P

L11 8 LI AND ZR AND O3P

=> d 111 1-8 cn

L11 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Lithium magnesium zirconium metaphosphate nitride oxide
(Li1.1Mg0.8Zr0.1(PO3)N0.100.9) (CA INDEX NAME)

L11 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Iron lithium magnesium zirconium metaphosphate nitride oxide
(Fe0.9Li0.9Mg0.1Zr0.1(PO3)N0.1700.9) (CA INDEX NAME)

L11 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Lithium zirconium fluoride metaphosphate oxide (Li3Zr0.1F0.2(PO3)O0.9)
(CA INDEX NAME)

L11 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Lithium zirconium metaphosphate oxide (Li2.8Zr0.2(PO3)O0.9) (CA INDEX NAME)

L11 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Lithium nickel zirconium metaphosphate oxide silicate
(LiNi0.9Zr0.05(PO3)0.95O0.75(SiO4)0.1) (CA INDEX NAME)

L11 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Cobalt lithium zirconium metaphosphate oxide silicate
(Co0.9LiZr0.05(PO3)0.95O0.75(SiO4)0.1) (CA INDEX NAME)

L11 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Lithium zirconium metaphosphate oxide (Li0.05Zr(PO3)2O1.02) (CA INDEX NAME)

L11 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2009 ACS on STN

CN Lithium zirconium metaphosphate oxide (LiZr2(PO3)3.1O2.95) (CA INDEX)

NAME)

=> s li and zr and so3
118129 LI
25345 LIS
143470 LI
(LI OR LIS)
123114 ZR
2 ZRS
123116 ZR
(ZR OR ZRS)
603 SO3
L12 0 LI AND ZR AND SO3

=> s so3
L13 603 SO3

=> s zirconium phosphonates
114351 ZIRCONIUM
78 PHOSPHONATES
L14 0 ZIRCONIUM PHOSPHONATES
(ZIRCONIUM(W) PHOSPHONATES)

=> s zirconium phosphonate
114351 ZIRCONIUM
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)
L15 0 ZIRCONIUM PHOSPHONATE
(ZIRCONIUM(W) PHOSPHONATE)

=> s zirconium and phosphonate
114351 ZIRCONIUM
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)
L16 75 ZIRCONIUM AND PHOSPHONATE

=> d 116 1-50 cn

L16 ANSWER 1 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium, bis(η 5-2,4-cyclopentadien-1-yl)[diethyl
P-[(1,2- η)-1-hexyn-1-yl]phosphonate]- (CA INDEX NAME)

L16 ANSWER 2 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, butyl-, zirconium(4+) salt (2:1) (9CI) (CA
INDEX NAME)

OTHER NAMES:

CN Zirconium bis(butylphosphonate)

L16 ANSWER 3 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium hydroxide phosphonate ($Zr(OH)_2(HPO_3)$) (8CI) (CA INDEX
NAME)

L16 ANSWER 4 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium, bis(η 5-2,4-cyclopentadien-1-yl)[diethyl
[(1,2- η)-1-heptynyl]phosphonate]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis(η 5-cyclopentadienyl) (diethyl

(1-heptynyl)phosphonate)zirconium

L16 ANSWER 5 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-hexadecanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Hexadecanamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 6 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-pentadecanamine (2:1:2), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pentadecanamine, compd. with zirconium(4+) phenylphosphonate
(2:1:2), hydrate (9CI)

L16 ANSWER 7 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-tridecanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Tridecanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 8 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-undecanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Undecanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 9 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-decanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Decanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 10 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-nonanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Nonanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 11 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-heptanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Heptanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 12 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-pantanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pantanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 13 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-butanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:

CN 1-Butanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 14 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with benzenamine
(2:1:?) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenamine, compd. with zirconium(4+) phenylphosphonate (?:1:2)
(9CI)

L16 ANSWER 15 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Phosphonic acid, phenyl-, compd. with zirconium phosphate phosphonate
(Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), hydrate (2:2:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), compd. with
phenylphosphonic acid, hydrate (2:2:1) (9CI)

L16 ANSWER 16 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Glycine, N-benzoyl-, compd. with zirconium phosphate phosphonate
(Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), hydrate (2:2:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), compd. with
N-benzoylglycine, hydrate (2:2:1) (9CI)

L16 ANSWER 17 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Benzoic acid, 4-nitro-, compd. with zirconium phosphate phosphonate
(Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), hydrate (2:2:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), compd. with
4-nitrobenzoic acid, hydrate (2:2:1) (9CI)

L16 ANSWER 18 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Benzenemethanol, compd. with zirconium phosphate phosphonate
(Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), hydrate (4:2:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), compd. with
benzenemethanol, hydrate (2:4:1) (9CI)

L16 ANSWER 19 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Benzenemethanol, compd. with zirconium phosphate phosphonate
(Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), hydrate (2:2:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), compd. with
benzenemethanol, hydrate (2:2:1) (9CI)

L16 ANSWER 20 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Zirconium phosphate phosphonate (Zr(HPO₄)_{1.8}(HPO₃)_{0.2}), hydrate
(2:1) (CA INDEX NAME)

L16 ANSWER 21 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,10-decanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,10-Decanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 22 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN

CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,9-nonenanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,9-Nonenanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 23 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,8-octanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,8-Octanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 24 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,6-hexanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,6-Hexanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 25 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,5-pentanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,5-Pentanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 26 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,4-butanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,4-Butanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 27 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,3-propanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,3-Propanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 28 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1,2-ethanediamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2-Ethanediamine, compd. with zirconium(4+) phenylphosphonate
(?:1:2), hydrate (9CI)

L16 ANSWER 29 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-tetradecanamine (2:1:2), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Tetradecanamine, compd. with zirconium(4+) phenylphosphonate
(2:1:2), hydrate (9CI)

L16 ANSWER 30 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-dodecanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Dodecanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 31 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-decanamine (2:1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Decanamine, compd. with zirconium(4+) phenylphosphonate (1:1:2)

(9CI)

L16 ANSWER 32 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-octanamine (2:1:?), hydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Octanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 33 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-heptanamine (2:1:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Heptanamine, compd. with zirconium(4+) phenylphosphonate (1:1:2)
(9CI)

L16 ANSWER 34 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-hexanamine (2:1:?) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Hexanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 35 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-pentanamine (2:1:?) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Pentanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2)
(9CI)

L16 ANSWER 36 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, zirconium(4+) salt, compd. with
1-propanamine (2:1:?) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1-Propanamine, compd. with zirconium(4+) phenylphosphonate (?:1:2),
hydrate (9CI)

L16 ANSWER 37 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium(1+), [μ -[1,1'-bis[2-(phosphono- κ O)ethyl]-4,4'-bipyridiniumato(4-)]dichloro[phosphato(3-)- κ O]di-, chloride,
trihydrate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 4,4'-Bipyridinium, 1,1'-bis(2-phosphonoethyl)-, bis(inner salt)
ion(2-), trichloro[phosphato(3-)]dizirconium(2+) (1:1), trihydrate
CN Zirconium(2+), trichloro[phosphato(3-)]di-,
([4,4'-bipyridinium]-1,1'-diyldi-2,1-ethanediyl)bis[phosphonate] bis(inner
salt) (1:1), trihydrate

L16 ANSWER 38 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{1.8}(HPO₃)_{0.2}), monohydrate
(9CI) (CA INDEX NAME)

L16 ANSWER 39 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{1.8}(HPO₃)_{0.2}) (CA
INDEX NAME)

L16 ANSWER 40 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{1.72}(HPO₃)_{0.28}), monohydrate
(9CI) (CA INDEX NAME)
OTHER NAMES:
CN Zirconium phosphate phosphite (Zr(HPO₄)_{1.72}(HPO₃)_{0.28}) monohydrate

L16 ANSWER 41 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{1.72}(HPO₃)_{0.28}) (CA INDEX NAME)

L16 ANSWER 42 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.85}(HPO₃)_{1.15}), hydrate (2:1) (CA INDEX NAME)

OTHER NAMES:
CN Zirconium phosphate phosphite (Zr(HPO₄)_{0.85}(HPO₃)_{1.15}) hemihydrate

L16 ANSWER 43 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.85}(HPO₃)_{1.15}) (CA INDEX NAME)

L16 ANSWER 44 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.36}(HPO₃)_{1.64}) (CA INDEX NAME)

L16 ANSWER 45 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, titanium(4+) zirconium(4+) salt, compd. with 3-(triethoxysilyl)-1-propanamine (8:1:3:?) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:
CN 1-Propanamine, 3-(triethoxysilyl)-, compd. with titanium(4+) zirconium(4+) phenylphosphonate (?:1:3:8) (9CI)

L16 ANSWER 46 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.8}(HPO₃)_{1.2}), hydrate (2:1) (CA INDEX NAME)

L16 ANSWER 47 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.8}(HPO₃)_{1.2}) (CA INDEX NAME)

L16 ANSWER 48 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}), hydrate (2:1) (CA INDEX NAME)

L16 ANSWER 49 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN [1,1'-Biphenyl]-4,4'-diamine, 3,3',5,5'-tetramethyl-, compd. with zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}), compd. with 3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diamine (9CI)

L16 ANSWER 50 OF 75 REGISTRY COPYRIGHT 2009 ACS on STN
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}) (CA INDEX NAME)

=> s zirconium and phosphonate and sulfonate
114351 ZIRCONIUM
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
L17 0 ZIRCONIUM AND PHOSPHONATE AND SULFONATE

=> s zirconium and phosphonate and lithium and sulfonate

114351 ZIRCONIUM
 23600 PHOSPHONATE
 78 PHOSPHONATES
 23600 PHOSPHONATE
 (PHOSPHONATE OR PHOSPHONATES)

118881 LITHIUM
 166593 SULFONATE
 242 SULFONATES
 166593 SULFONATE
 (SULFONATE OR SULFONATES)

L18 0 ZIRCONIUM AND PHOSPHONATE AND LITHIUM AND SULFONATE

=> s perfluoromethylsulfonyl

L19 17 PERFLUOROMETHYLSULFONYL

=> d 1-17 cn

L19 ANSWER 1 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
 CN 1H-Imidazolium, 1-ethyl-3-[6-[(1-oxo-2-propenyl)oxy]hexyl]-, salt with
 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1),
 polymer with oxybis(2,1-ethanediyl)oxy-2,1-ethanediyl di-2-propenoate and
 3,6,9,12-tetraoxatetradeca-1,13-diene (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-Ethyl-3-[6-[(1-oxo-2-propenyl)oxy]hexyl]-1H-imidazolium
 bis(perfluoromethylsulfonyl)imide-tetra(ethylene glycol)
 diacrylate-tri(ethylene glycol) divinyl ether copolymer

L19 ANSWER 2 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
 CN 1H-Imidazolium, 1-ethyl-3-[6-[(1-oxo-2-propenyl)oxy]hexyl]-, salt with
 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)
 (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1-Ethyl-3-[6-[(1-oxo-2-propenyl)oxy]hexyl]-1H-imidazolium
 bis(perfluoromethylsulfonyl)imide

CN 3-(6-Acryloyloxyhexyl)-1-ethylimidazolium trifluoromethanesulfonylimide

L19 ANSWER 3 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
 CN Methanesulfonamide, N,1,1,1-tetrafluoro-N-[(trifluoromethyl)sulfonyl]-
 (CA INDEX NAME)

OTHER NAMES:

CN N-Fluorobis(perfluoromethylsulfonyl)imide
 CN N-Fluorobis[(trifluoromethyl)sulfonyl]imide

L19 ANSWER 4 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
 CN Methanesulfonamide, 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]-,
 ion(1-) (CA INDEX NAME)

OTHER NAMES:

CN Bis(perfluoromethylsulfonyl)imide anion
 CN Bis(trifluoromethanesulfonyl)imide anion
 CN Bis(trifluoromethylsulfonyl)imide ion
 CN Bis(trifluoromethylsulfuryl)imide anion
 CN Bistriflylimide anion

L19 ANSWER 5 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
 CN Methanesulfonamide, 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]-,
 lithium salt (1:1) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Methanesulfonamide, 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]-,
 lithium salt (9CI)

OTHER NAMES:

CN 1,1,1-Trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide lithium salt
CN Bis[(trifluoromethyl)sulfonyl]imide lithium salt
CN Fluorad HQ 115
CN Fluorinert HQ 115
CN Fluorinert HQ 115J
CN HQ 115
CN LiTFSI
CN Lithiotrifluoromethanesulfonimide
CN Lithium bis(perfluoromethylsulfonyl)imide
CN Lithium bis(trifluoromethane sulfone)imide
CN Lithium bis(trifluoromethane)sulfonimide
CN Lithium bis(trifluoromethanesulfonyl)amide
CN Lithium bis(trifluoromethanesulfonyl)imide
CN Lithium bis(trifluoromethylsulfonyl)amide
CN Lithium bis(trifluoromethylsulfonyl)imide
CN Lithium bistriflamide
CN Lithium triflimide
CN MEK 50R
CN N,N-Bis[(trifluoromethyl)sulfonyl]amine lithium salt

L19 ANSWER 6 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phenol, 4-[2,2-bis[(trifluoromethyl)sulfonyl]ethenyl]-2-ethoxy- (CA INDEX NAME)

OTHER NAMES:

CN β,β -Bis(perfluoromethylsulfonyl)-3-ethoxy-4-hydroxystyrene

L19 ANSWER 7 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
CN Benzene, 1-[2,2-bis[(trifluoromethyl)sulfonyl]ethenyl]-4-nitro- (CA INDEX NAME)

OTHER NAMES:

CN β,β -Bis(perfluoromethylsulfonyl)-p-nitrostyrene

L19 ANSWER 8 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
CN Benzene, 1-[2,2-bis[(trifluoromethyl)sulfonyl]ethenyl]-2-chloro- (CA INDEX NAME)

OTHER NAMES:

CN β,β -Bis(perfluoromethylsulfonyl)-o-chlorostyrene

L19 ANSWER 9 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
CN Benzene, [3,3-bis[(trifluoromethyl)sulfonyl]-2-propen-1-yl]- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzene, [3,3-bis[(trifluoromethyl)sulfonyl]-2-propenyl]- (9CI)

OTHER NAMES:

CN 1,1-Bis(perfluoromethylsulfonyl)-3-phenylpropene

L19 ANSWER 10 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
CN Benzene, [2,2-bis[(trifluoromethyl)sulfonyl]ethenyl]- (CA INDEX NAME)

OTHER NAMES:

CN β,β -Bis(perfluoromethylsulfonyl)styrene

CN 1-Phenyl-2,2-bis[(trifluoromethyl)sulfonyl]ethylene

L19 ANSWER 11 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
CN Naphthalene, 1-[2,2-bis[(trifluoromethyl)sulfonyl]ethenyl]- (CA INDEX NAME)

OTHER NAMES:

CN 1,1-Bis(perfluoromethylsulfonyl)-2-(1-naphthyl)ethylene

L19 ANSWER 12 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN
CN Ethane, 1-bromo-1,1-bis[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)

OTHER NAMES:

CN 1,1-Bis(perfluoromethylsulfonyl)-1-bromoethane

L19 ANSWER 13 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN

CN Methane, dichlorobis[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)

OTHER NAMES:

CN 1,1-Bis(perfluoromethylsulfonyl)dichloromethane

L19 ANSWER 14 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN

CN Methane, chlorobis[(trifluoromethyl)sulfonyl]-, ion(1-), potassium (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis(perfluoromethylsulfonyl)chloromethane potassium salt

L19 ANSWER 15 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN

CN Methane, bis[(trifluoromethyl)sulfonyl]-, ion(1-), potassium (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis(perfluoromethylsulfonyl)methane potassium salt

CN Bis[(trifluoromethyl)sulfonyl]methane potassium salt

CN Potassium bis(trifluoromethylsulfonyl)methide

L19 ANSWER 16 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN

CN Methane, bromobis[(trifluoromethyl)sulfonyl]-, ion(1-), potassium (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Bis(perfluoromethylsulfonyl)bromomethane potassium salt

L19 ANSWER 17 OF 17 REGISTRY COPYRIGHT 2009 ACS on STN

CN Methane, bis[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)

OTHER NAMES:

CN Bis(perfluoromethylsulfonyl)methane

CN Bis(trifluoromethanesulfonyl)methane

CN Bis(trifluoromethylsulfonyl)methane

CN Methyleneditriflone

=> d his

(FILE 'HOME' ENTERED AT 15:52:23 ON 02 APR 2009)

FILE 'REGISTRY' ENTERED AT 15:52:34 ON 02 APR 2009

L1 0 S LITHIUM ZIRCONIUM PHOSPHONATE SULFONATE
L2 0 S LITHIUM ZIRCONIUM PHOSPHATE SULFONATE
L3 0 S LITHIUM ZIRCONIUM PHOSPHATE SULFONATE
L4 0 S LITHIUM ZIRCONIUM PHOSPHONATE SULFONATE
L5 0 S LITHIUM AND ZIRCONIUM AND PHOSPHONATE AND SULFONATE
L6 0 S LITHIUM ZIRCONIUM PHOPHATE
L7 102 S LITHIUM ZIRCONIUM PHOSPHATE
L8 1465 S O3P
L9 0 S O3P/LC
L10 0 S LI AND ZR AND O3P AND SO3
L11 8 S LI AND ZR AND O3P
L12 0 S LI AND ZR AND SO3
L13 603 S SO3
L14 0 S ZIRCONIUM PHOSPHONATES
L15 0 S ZIRCONIUM PHOSPHONATE
L16 75 S ZIRCONIUM AND PHOSPHONATE
L17 0 S ZIRCONIUM AND PHOSPHONATE AND SULFONATE
L18 0 S ZIRCONIUM AND PHOSPHONATE AND LITHIUM AND SULFONATE
L19 17 S PERFLUOROMETHYLSULFONYL

=> s 119 and si
477940 SI
16367 SIS
494145 SI
(SI OR SIS)
L20 0 L19 AND SI

=> s propylene sulfonate
18765 PROPYLENE
1 PROPYLENES
18765 PROPYLENE
(PROPYLENE OR PROPYLENES)
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
L21 2 PROPYLENE SULFONATE
(PROPYLENE (W) SULFONATE)

=> d 121 1-2 cn

L21 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2009 ACS on STN
CN 2-Propene-1-sulfonic acid, sodium salt (1:1), polymer with
N,N-dimethyl-2-propenamide and 1-ethenyl-2-pyrrolidinone (CA INDEX NAME)
OTHER NAMES:
CN N,N-Dimethylacrylamide-sodium propylenesulfonate-N-vinylpyrrolidone
copolymer

L21 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2009 ACS on STN
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with 2-propenamide,
2-propenenitrile and sodium 2-methyl-2-propene-1-sulfonate, graft (9CI)
(CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Propenamide, polymer with methyl 2-methyl-2-propenoate, 2-propenenitrile
and sodium 2-methyl-2-propene-1-sulfonate, graft (9CI)
CN 2-Propene-1-sulfonic acid, 2-methyl-, sodium salt, polymer with methyl
2-methyl-2-propenoate, 2-propenamide and 2-propenenitrile, graft (9CI)
CN 2-Propenenitrile, polymer with methyl 2-methyl-2-propenoate, 2-propenamide
and sodium 2-methyl-2-propene-1-sulfonate, graft (9CI)
OTHER NAMES:
CN Acrylamide-acrylonitrile-methyl methacrylate-sodium methallylsulfonate
graft copolymer
CN Acrylamide-acrylonitrile-methyl methacrylate-sodium methylpropylene
sulfonate copolymer
CN Acrylamide-acrylonitrile-methyl methacrylate-sodium methylpropylsulfonate
graft copolymer

=> s phosphate ethyl phosphonate
289667 PHOSPHATE
388 PHOSPHATES
289667 PHOSPHATE
(PHOSPHATE OR PHOSPHATES)
12697621 ETHYL
17 ETHYLS
12697621 ETHYL
(ETHYL OR ETHYLS)
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)
L22 0 PHOSPHATE ETHYL PHOSPHONATE

(PHOSPHATE (W) ETHYL (W) PHOSPHONATE)

=> s phosphate and ethyl and phosphonate

289667 PHOSPHATE
388 PHOSPHATES
289667 PHOSPHATE
(PHOSPHATE OR PHOSPHATES)

12697621 ETHYL
17 ETHYLS
12697621 ETHYL
(ETHYL OR ETHYLS)
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)

L23 155 PHOSPHATE AND ETHYL AND PHOSPHONATE

=> s l23 and zr

123114 ZR
2 ZRS
123116 ZR
(ZR OR ZRS)

L24 0 L23 AND ZR

=> s l23 and si

477940 SI
16367 SIS
494145 SI
(SI OR SIS)

L25 0 L23 AND SI

=> s phosphate and (ethyl or methyl or butyl or phenyl or toyl or zylyl) and phosphonate

289667 PHOSPHATE
388 PHOSPHATES
289667 PHOSPHATE
(PHOSPHATE OR PHOSPHATES)

12697621 ETHYL
17 ETHYLS
12697621 ETHYL
(ETHYL OR ETHYLS)

27672891 METHYL
98 METHYLS
27672891 METHYL
(METHYL OR METHYLS)

2165528 BUTYL
9 BUTYLS
2165528 BUTYL
(BUTYL OR BUTYLS)

22384487 PHENYL
14 PHENYLS
22384487 PHENYL
(PHENYL OR PHENYLS)

98516 TOLYL
23600 PHOSPHONATE
78 PHOSPHONATES
23600 PHOSPHONATE
(PHOSPHONATE OR PHOSPHONATES)

L26 285 PHOSPHATE AND (ETHYL OR METHYL OR BUTYL OR PHENYL OR TOLYL OR ZYLYL) AND PHOSPHONATE

=> s l26 and (si or zr or silicon or zirconium or zirconate)

477940 SI
16367 SIS
494145 SI
(SI OR SIS)
123114 ZR
2 ZRS
123116 ZR
(ZR OR ZRS)
112157 SILICON
114351 ZIRCONIUM
4710 ZIRCONATE
L27 3 L26 AND (SI OR ZR OR SILICON OR ZIRCONIUM OR ZIRCONATE)

=> d 127 1-3 cn

L27 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN
CN Phosphonic acid, phenyl-, compd. with zirconium phosphate phosphonate
(Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), hydrate (2:2:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), compd. with
phenylphosphonic acid, hydrate (2:2:1) (9CI)

L27 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN
CN [1,1'-Biphenyl]-4,4'-diamine, 3,3',5,5'-tetramethyl-, compd. with
zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}) (9CI) (CA
INDEX NAME)
OTHER CA INDEX NAMES:
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}), compd. with
3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diamine (9CI)

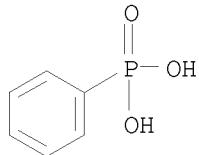
L27 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN
CN Octadecanoic acid, monoester with 1,2,3-propanetriol
mono(2-hydroxypropanoate), mixt. with N-butylbenzenesulfonamide, dibutyl
butylphosphonate, 2,2-dichloroethenyl dimethyl phosphate,
2,2'-[1,2-ethanediylbis(oxy)]bis[ethanol] and 1,2,3-propanetriol diacetate
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1,2,3-Propanetriol, diacetate, mixt. contg. (9CI)
CN Benzenesulfonamide, N-butyl-, mixt. contg. (9CI)
CN Ethanol, 2,2'-[1,2-ethanediylbis(oxy)]bis-, mixt. contg. (9CI)
CN Phosphonic acid, butyl-, dibutyl ester, mixt. contg. (9CI)
CN Phosphoric acid, 2,2-dichloroethenyl dimethyl ester, mixt. contg.
(9CI)
OTHER NAMES:
CN DDVP-benzenesulphonbutylamide-triethylene glycol-dibutyl
butylphosphonate-diacetin-silicone-glyceryl lacto stearate mixture

=> d 127 1-3

L27 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN
RN 218938-96-6 REGISTRY
ED Entered STN: 04 Feb 1999
CN Phosphonic acid, phenyl-, compd. with zirconium phosphate phosphonate
(Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), hydrate (2:2:1) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.7}(HPO₃)_{1.3}), compd. with
phenylphosphonic acid, hydrate (2:2:1) (9CI)
MF C₆ H₇ O₃ P . 1/2 H₂ O . H O₄ P . H O₃ P . Zr
AF C₆ H₇ O₃ P . H₂ O_{6.7} P₂ Zr . 1/2 H₂ O
SR CA
LC STN Files: CA, CAPLUS

CM 1

CRN 1571-33-1
CMF C6 H7 O3 P

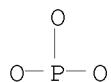


CM 2

CRN 120620-74-8
CMF H O4 P . H O3 P . Zr
CCI TIS

CM 3

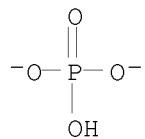
CRN 15477-76-6
CMF H O3 P



ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

CM 4

CRN 14066-19-4
CMF H O4 P



CM 5

CRN 7440-67-7
CMF Zr

Zr

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

RN 144544-70-7 REGISTRY

ED Entered STN: 20 Nov 1992

CN [1,1'-Biphenyl]-4,4'-diamine, 3,3',5,5'-tetramethyl-, compd. with zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Zirconium phosphate phosphonate (Zr(HPO₄)_{0.67}(HPO₃)_{1.33}), compd. with 3,3',5,5'-tetramethyl[1,1'-biphenyl]-4,4'-diamine (9CI)

MF C₁₆ H₂₀ N₂ . x H O₄ P . x H O₃ P . x Zr

AF C₁₆ H₂₀ N₂ . x H₂ O_{6.67} P₂ Zr

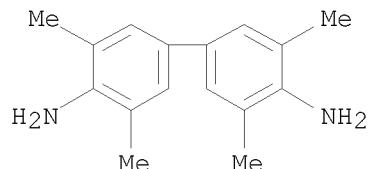
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 54827-17-7

CMF C₁₆ H₂₀ N₂



CM 2

CRN 144544-69-4

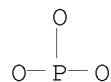
CMF H O₄ P . H O₃ P . Zr

CCI TIS

CM 3

CRN 15477-76-6

CMF H O₃ P

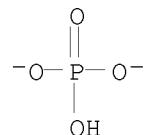


ONE OR MORE TAUTOMERIC DOUBLE BONDS NOT DISPLAYED IN THE STRUCTURE

CM 4

CRN 14066-19-4

CMF H O₄ P



CM 5

CRN 7440-67-7
CMF Zr

Zr

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L27 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN
RN 8072-78-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN Octadecanoic acid, monoester with 1,2,3-propanetriol
mono(2-hydroxypropanoate), mixt. with N-butylbenzenesulfonamide, dibutyl
butylphosphonate, 2,2-dichloroethenyl dimethyl phosphate,
2,2'-[1,2-ethanediylbis(oxy)]bis[ethanol] and 1,2,3-propanetriol diacetate
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

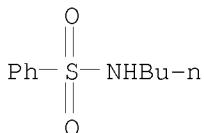
CN 1,2,3-Propanetriol, diacetate, mixt. contg. (9CI)
CN Benzenesulfonamide, N-butyl-, mixt. contg. (9CI)
CN Ethanol, 2,2'-[1,2-ethanediylbis(oxy)]bis-, mixt. contg. (9CI)
CN Phosphonic acid, butyl-, dibutyl ester, mixt. contg. (9CI)
CN Phosphoric acid, 2,2-dichloroethenyl dimethyl ester, mixt. contg.
(9CI)

OTHER NAMES:

CN DDVP-benzenesulphonbutylamide-triethylene glycol-dibutyl
butylphosphonate-diacetin-silicone-glyceryl lacto stearate mixture
MF C24 H46 O6 . C12 H27 O3 P . C10 H15 N O2 S . C7 H12 O5 . C6 H14 O4 . C4 H7
C12 O4 P
CI MXS
LC STN Files: CA, CAPLUS

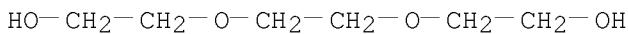
CM 1

CRN 3622-84-2
CMF C10 H15 N O2 S



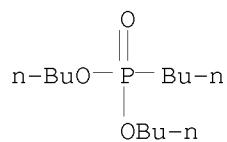
CM 2

CRN 112-27-6
CMF C6 H14 O4



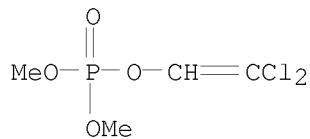
CM 3

CRN 78-46-6
CMF C12 H27 O3 P



CM 4

CRN 62-73-7
 CMF C4 H7 Cl2 O4 P

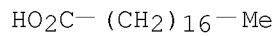


CM 5

CRN 30234-20-9
 CMF C24 H46 O6
 CCI IDS

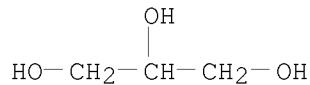
CM 6

CRN 57-11-4
 CMF C18 H36 O2



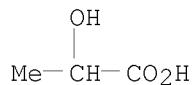
CM 7

CRN 56-81-5
 CMF C3 H8 O3



CM 8

CRN 50-21-5
 CMF C3 H6 O3

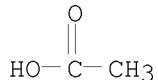


CM 9

CRN 25395-31-7
CMF C7 H12 O5
CCI IDS

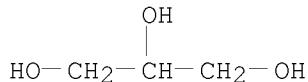
CM 10

CRN 64-19-7
CMF C2 H4 O2



CM 11

CRN 56-81-5
CMF C3 H8 O3



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	646.75	646.97

FILE 'ZCAPLUS' ENTERED AT 16:19:50 ON 02 APR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS is strictly prohibited.

FILE COVERS 1907 - 2 Apr 2009 VOL 150 ISS 14
FILE LAST UPDATED: 1 Apr 2009 (20090401/ED)

ZCaplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 15:52:23 ON 02 APR 2009)

FILE 'REGISTRY' ENTERED AT 15:52:34 ON 02 APR 2009

L1 0 S LITHIUM ZIRCONIUM PHOSPONATE SULFONATE
L2 0 S LITHIUM ZIRCONIUM PHOSPHATE SULFONATE
L3 0 S LITHIUM ZIRCONIUM PHOSPHATE SULFONATE
L4 0 S LITHIUM ZIRCONIUM PHOSPHONATE SULFONATE
L5 0 S LITHIUM AND ZIRCONIUM AND PHOSPHONATE AND SULFONATE
L6 0 S LITHIUM ZIRCONIUM PHOPHATE
L7 102 S LITHIUM ZIRCONIUM PHOSPHATE
L8 1465 S O3P
L9 0 S O3P/LC
L10 0 S LI AND ZR AND O3P AND SO3
L11 8 S LI AND ZR AND O3P
L12 0 S LI AND ZR AND SO3
L13 603 S SO3
L14 0 S ZIRCONIUM PHOSPHONATES
L15 0 S ZIRCONIUM PHOSPHONATE
L16 75 S ZIRCONIUM AND PHOSPHONATE
L17 0 S ZIRCONIUM AND PHOSPHONATE AND SULFONATE
L18 0 S ZIRCONIUM AND PHOSPHONATE AND LITHIUM AND SULFONATE
L19 17 S PERFLUOROMETHYLSULFONYL
L20 0 S L19 AND SI
L21 2 S PROPYLENE SULFONATE
L22 0 S PHOSPHATE ETHYL PHOSPHONATE
L23 155 S PHOSPHATE AND ETHYL AND PHOSPHONATE
L24 0 S L23 AND ZR
L25 0 S L23 AND SI
L26 285 S PHOSPHATE AND (ETHYL OR METHYL OR BUTYL OR PHENYL OR TOLYL OR
L27 3 S L26 AND (SI OR ZR OR SILICON OR ZIRCONIUM OR ZIRCONATE))

FILE 'ZCAPLUS' ENTERED AT 16:19:50 ON 02 APR 2009

=> s 127
L28 4 L27

=> d 128 ti

L28 ANSWER 1 OF 4 ZCAPLUS COPYRIGHT 2009 ACS on STN
TI A study on the synthesis and oxidation properties of chromic-mixed
zirconium phenylphosphonate

=> d 128 1-4 ti pn

L28 ANSWER 1 OF 4 ZCAPLUS COPYRIGHT 2009 ACS on STN
TI A study on the synthesis and oxidation properties of chromic-mixed
zirconium phenylphosphonate

L28 ANSWER 2 OF 4 ZCAPLUS COPYRIGHT 2009 ACS on STN
TI Thermoanalytical investigation of several layered zirconium salts and
their derivatives part. II

L28 ANSWER 3 OF 4 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Study of the intercalation of tetramethylbenzidine in layered zirconium phosphates to obtain pillared materials

L28 ANSWER 4 OF 4 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Insecticidal compositions for diffusion by vaporization
PATENT NO. KIND DATE

PI FR 1603822 19710716

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 5.52 652.49

FILE 'REGISTRY' ENTERED AT 16:20:53 ON 02 APR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 1 APR 2009 HIGHEST RN 1131012-40-2
DICTIONARY FILE UPDATES: 1 APR 2009 HIGHEST RN 1131012-40-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s silicon and sulfonate
112157 SILICON
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
L29 36 SILICON AND SULFONATE

=> s silicon and sulfonate and lithium
112157 SILICON
166593 SULFONATE
242 SULFONATES
166593 SULFONATE
(SULFONATE OR SULFONATES)
118881 LITHIUM
L30 0 SILICON AND SULFONATE AND LITHIUM

=> file zcaplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 27.23 679.72

FILE 'ZCPLUS' ENTERED AT 16:21:19 ON 02 APR 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS is strictly prohibited.

FILE COVERS 1907 - 2 Apr 2009 VOL 150 ISS 14
FILE LAST UPDATED: 1 Apr 2009 (20090401/ED)

ZCplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 129

L31 21 L29

=> d 131 1-32 ti pn

L31 ANSWER 1 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Complexation of tris(pentafluorophenyl)silanes with neutral Lewis bases

L31 ANSWER 2 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Positive chargeable composition for toner based on silicon complex and
charging member using the same
PATENT NO. KIND DATE

----- ----- -----

PI JP 2007298966 A 20071115

L31 ANSWER 3 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Positive electrified charge control agent and positive electrified toner
for developing electrostatic image
PATENT NO. KIND DATE

----- ----- -----

PI US 20070231726 A1 20071004
KR 2007099439 A 20071009
EP 1843214 A1 20071010
JP 2007298965 A 20071115
CN 101051193 A 20071010

L31 ANSWER 4 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Silica triflate as an efficient reagent for the solvent-free synthesis of
coumarins

L31 ANSWER 5 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Synthesis and molecular and crystal structures of mono-and bis-chelate

hypercoordinate silicon compounds containing the C,O-chelating 2,2-dimethyl-4-oxo-2,3-dihydro-1,3-oxazin-3-ylmethyl ligand

L31 ANSWER 6 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Assembling a Mixed Phthalocyanine-Porphyrin Array in Aqueous Media through Host-Guest Interactions

L31 ANSWER 7 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Self-doped conductive polymer-silicon hybrids from atom transfer radical graft copolymerization of sodium styrenesulfonate with polyaniline covalently tethered on the Si(100) surface

L31 ANSWER 8 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Functionalization of hydrogen-terminated silicon with polybetaine brushes via surface-initiated reversible addition-fragmentation chain-transfer (RAFT) polymerization

L31 ANSWER 9 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Photochemical studies of tetra-2,3-pyridinoporphyrazines

L31 ANSWER 10 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Method for preparing quinazolinyl-substituted [1,4]diazepino[6,7-1-hi]indol-4-ones and analogs by cyclocondensation of 2-(alkyldeneamino)-N-(diazepinoindolyl)benzamides and analogs using weak Lewis acid catalysts

PATENT NO.	KIND	DATE
WO 2001002403	A1	20010111
FR 2795731	A1	20010105
FR 2795731	B1	20010907
CA 2376707	A1	20010111
BR 2000012532	A	20020402
EP 1196418	A1	20020417
EP 1196418	B1	20040616
HU 2002001635	A2	20020928
HU 2002001635	A3	20041228
JP 2003503498	T	20030128
EE 200100700	A	20030415
NZ 516287	A	20030630
AU 772966	B2	20040513
AT 269334	T	20040715
CN 1166668	C	20040915
NO 2001006271	A	20011228
IN 2001MN01623	A	20070601
BG 106264	A	20020830
HR 2001000952	A1	20030630
ZA 2002000114	A	20020829
MX 2002000257	A	20030820
US 6689881	B1	20040210

L31 ANSWER 11 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Influence of the solvent and of the counteranion on the structure of silyl cations stabilized by a terdentate aryldiamine ligand

L31 ANSWER 12 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI 2-(Alkoxyethyl)phenylsilicon compounds: the search for pentacoordination

L31 ANSWER 13 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Polymer-modified inorganic oxide colloidal particles

PATENT NO.	KIND	DATE
JP 05287213	A	19931102

JP 3122688

B2 20010109

L31 ANSWER 14 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Preparation of new monomeric, oligomeric, and polymeric silyl triflates

L31 ANSWER 15 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Grafted inorganic materials for composites

PATENT NO.	KIND	DATE
EP 212621	A2	19870304
EP 212621	A3	19890125
EP 212621	B1	19931013
JP 62050313	A	19870305
JP 05049693	B	19930727
JP 62050314	A	19870305
JP 05049694	B	19930727
US 4783501	A	19881108
US 4910251	A	19900320

L31 ANSWER 16 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Complexed compounds

PATENT NO.	KIND	DATE
DE 2739312	A1	19780309
DE 2739312	C2	19900308
CH 623353	A5	19810529
NL 7709754	A	19780310
CA 1103689	A1	19810623
BE 858464	A1	19780307
GB 1584049	A	19810204
US 4404408	A	19830913
JP 53034730	A	19780331
JP 62022975	B	19870520
FR 2364260	A1	19780407
FR 2364260	B1	19800425

L31 ANSWER 17 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Silicon chelates

PATENT NO.	KIND	DATE
JP 51075027	A	19760629
JP 55049056	B	19801210

L31 ANSWER 18 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Selective debenzyloxycarbonylation in peptides with trifluoroacetic acid

L31 ANSWER 19 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Cooperative effects of functional groups in peptides. I. Aspartyl-serine derivatives

L31 ANSWER 20 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Preparation and decomposition of fluorosulfonates

L31 ANSWER 21 OF 21 ZCPLUS COPYRIGHT 2009 ACS on STN
TI Spectrophotometric research in chlorocopper complexes in acetone. I

=>